

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	2088054
<b>Application Number:</b>	10814113
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	5163
<b>Title of Invention:</b>	MULTIPLE ANTENNA SYSTEMS AND METHODS USING HIGH-THROUGHPUT SPACE-FREQUENCY BLOCK CODES
<b>First Named Inventor/Applicant Name:</b>	Lei Shao
<b>Customer Number:</b>	21186
<b>Filer:</b>	Joseph P. Mehrle/Anne Richards
<b>Filer Authorized By:</b>	Joseph P. Mehrle
<b>Attorney Docket Number:</b>	884.B52US1
<b>Receipt Date:</b>	15-AUG-2007
<b>Filing Date:</b>	30-MAR-2004
<b>Time Stamp:</b>	18:18:34
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
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### File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
1		b52sidsSIGNED.pdf	598219 0d2c5b776da464c2a83d162b6c90c13 6e9b9c53a	yes	4
<b>Multipart Description/PDF files in .zip description</b>					
	<b>Document Description</b>		<b>Start</b>	<b>End</b>	
	Miscellaneous Incoming Letter		1		1
	Information Disclosure Statement (IDS) Filed		2		4
<b>Warnings:</b>					
<b>Information:</b>					
2	NPL Documents	B52alamouti.pdf	181138 838317ed239b363ed8579a26c87e92a9 d8372229	no	8
<b>Warnings:</b>					
<b>Information:</b>					
3	NPL Documents	b52Tarokh.pdf	548528 d41182d93619b314fc58ab9ca51ad1907 b036994	no	22
<b>Warnings:</b>					
<b>Information:</b>					
4	Fee Worksheet (PTO-06)	fee-info.pdf	8228 7fc52226cf7bed85a67729863f6b9c5e47 c5c429	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			1336113		

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.